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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/937,563	10/18/2001	Shigeru Kitsutaka	110713	2263
. 7	590 07/14/2003			
Oliff & Berridge P.O. Box 19928 Alexandria, VA 22320			EXAMINER	
			CUNNINGHAM, GREGORY F	
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			2676	7
			DATE MAILED: 07/14/2003	,

Please find below and/or attached an Office communication concerning this application or proceeding.

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Office Action Summary    Examiner			Application No.	Applicant(s)			
## Defice Action Summary    Fixed Part   Caregour   Ca	•						
Creg Cunningham   2976   Period for Reply							
The MAILING DATE of this communication appears on the cover sheet with the correspondence address — Period for Reply  A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.  Entersions of time may be available under the provisors of 3 CER 1.198(a). In a overt, however, may a nerly be limitly filled the period for reply specialled above the teach and the country of 1 CER 1.198(a). In a overt, however, may a nerly be limitly filled the period for reply specialled above. The entering and 57 CER 1.798(b).  If the period for reply specialled above, the environmental provisor of 1 CER 1.198(a). In a overt, however, may a nerly to limitly filled the period for reply specialled above. The environmental provisor of the communication of the communication of the period for reply specially and the set of extended pried for reply with by statutory period will apply and by 100 considerable in the period for reply specially and the set of extended pried for reply with by statutory pried with the statutory indication of the communication.  If the period for reply specially the set of extended pried for the entiring data of the communication.  Priod of the period for reply specially the set of extended pried (a) (A							
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THE MAILING DATE OF THIS COMMUNICATION.  Extensions of time may be available under the provision of 37 CFR 1.13(b)(a). In or ownt, however, may a raply be limitly filed after 5X (b) MCNTHS from the mailing date of the communication of the SX (b) MCNTHS from the mailing date of the communication.  It NO period for reply is specified above, the maximum statutory period within the statistical principle within the statistical pri	··						
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Application/Control Number: 09/937,563

Art Unit: 2676

## **DETAILED ACTION**

- 1. This action is responsive to communications of application filed 10/18/2001.
- 2. The disposition of the claims is as follows: claims 1-54 are pending in the application. Claims 1, 9, 17, 19, 27,35, 37, 45 and 53 are independent claims.
- 3. The group and/or Art Unit location of your application has changed. To aid in the correlation of any papers for this application, all further correspondence should be directed to Group Art Unit 2676 (effective 7/03). Please be sure to use the most current art unit number on all correspondence to help us route your case and respond to you in a timely fashion.

## Election/Restrictions

- 4. Restriction to one of the following inventions is required under 35 U.S.C. 121:
  - I. Claims 1-8, 19-26 and 37-44, drawn to image LUT for color texture-mapping on virtual object, classified in class 345, subclass 582, 587, 589, 601.
  - II. Claims 9-16, 27-34 and 45-52, drawn to image pixel depth value (Z buffer) and blends defocused image based on alpha value, classified in class 345, subclass 422, 767, 802.
- III. Claims 17-18, 35-36 and 53-54, drawn to adjusting display properties based on user input, classified in class 345, subclass 745, 789, 811.

Restriction is required under 35 U.S.C. 121 and 372.

This application contains the following inventions or groups of inventions which are not so linked as to form a single general inventive concept under PCT Rule 13.1.

Application/Control Number: 09/937,563

Art Unit: 2676

In accordance with 37 CFR 1.499, applicant is required, in reply to this action, to elect a single invention to which the claims must be restricted.

The inventions listed as Groups I, II and III do not relate to a single general inventive concept under PCT Rule 13.1 because, under PCT Rule 13.2, they lack the same or corresponding special technical features for the following reasons: Group I is directed to color texture-mapping on virtual object, group II is directed toward image pixel depth value (Z buffer) and blending, and group III is directed toward adjusting display properties based on user input.

A telephone call was made to attorney Joel S. Armstrong on 7/8/2003 to request an oral election to the above restriction requirement, but did not result in an election being made.

Applicant is advised that the reply to this requirement to be complete must include an election of the invention to be examined even though the requirement be traversed (37 CFR 1.143).

## Responses

5. Responses to this action should be mailed to: Commissioner of Patents and Trademarks, Washington, D.C. 20231. If applicant desires to fax a response, (703) 308-9051 may be used for formal communications or (703) 308-6606 for informal or draft communications.

Please label "PROPOSED" or "DRAFT" for informal facsimile communications. Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA., Sixth Floor (Receptionist).

## Inquiries

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Greg Cunningham whose telephone number is (703) 308-6109.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew Bella, can be reached on (703) 308-6829.

Application/Control Number: 09/937,563

Art Unit: 2676

## Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive, Arlington, VA, Sixth Floor (Receptionist).

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the Technology Center 2600 Customer Service Office whose telephone number is (703) 306-0377.

gfc

July 10, 2003

y.F. Cunning ham

MATTHEW C. BELLA SUPERVISORY PATENT EXAMINER TECHNOLOGY CENTER 2600